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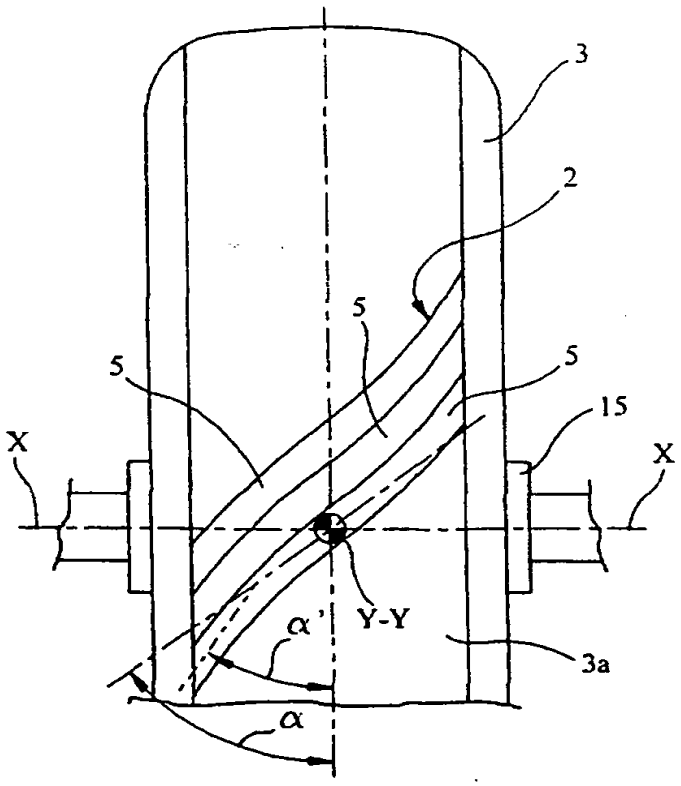
(54) Title: METHOD AND APPARATUS FOR MANUFACTURING A REINFORCING STRUCTURE FOR TYRES OF VEHICLES



(57) Abstract: Within the scope of the manufacturing of a tyre, a belt structure (2) is manufactured by means of strip-like segments (5) each comprising parallel strips incorporated in an elastomeric layer, sequentially laid in mutual circumferential approach relationship onto a toroidal support (3). During the laying of each segment (5), an angular rotation of the toroidal support (3) is caused about an axis of correction (Y-Y) radial to the axis of rotation (X-X) of the toroidal support itself, situated in substantially barycentric position relative to the segment (5) which is about to be laid. A perfect match is thereby assured of each strip-like segment (5) with the adjacent strip-like segments, even when the toroidal support (3) presents a crown area with curvilinear cross section profile.

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